

Yashpal Yadav

linkedin.com/in/yashpal-yadav-990278221 | github.com/Yashpal-o
+919792744442 | yashpalyadav050@gmail.com

EDUCATION

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY, HYDERABAD

B.TECH + MS(RESEARCH) IN CSE
2026

BANARAS HINDU UNIVERSITY

B.Sc. (HONS.) IN PHYSICS

2021

GPA: 7.48 / 10.0

LINKS

Github:// [Yashpal-O](#)

LinkedIn:// [yashpal-yadav-990278221](#)

SKILLS

PROGRAMMING

C/C++ • Python • MySQL • Javascript

• HTML • CSS • Bootstrap • R

• Bash Shell • MATLAB • OpenACC

• Assembly

FRAMEWORK

MongoDB • Express.js • React.js

• Node.js • Flutter

FAMILIAR

Linux • Scilab • Android

COURSEWORK

IIT HYDERABAD

Algorithm Analysis & Design

Automata Theory

Data and Applications

Operating System & Networks

Design & Analysis of Software Systems

Machine, Data & Learning

BANARAS HINDU UNIVERSITY

Quantum Mechanics

Classical Mechanics

Statistical Physics

Tensor and Geometry

Mechanics and Relativity

EXPERIENCE

AICAN AUTOMATE | ARTIFICIAL INTELLIGENCE INTERN

May 2022 - June 2022

- Performed EDA(Exploratory Data Analysis) and applied linear regression for mileage prediction and multiple linear regression for the further analysis on mtcars dataset. The accuracy of the model turn out to be 95.83%.
- Created a countdown timer using Python with features such as "Reset", "Stop", "Pause" and "Resume".

PROJECTS

MOBILE APPLICATION FOR SMART WATER LEVEL INDICATORS AND LEAKAGE ALERT SYSTEMS

Using Flutter Framework, created an app which will tell the users the live water level of the tanks, their daily usage and potential wastage of water that is detected with "Starr" - A smart water level indicating device, & "Pravah" - A smart water volume flow indicator. The app was able to link the devices to the phone and the particular user was able to view a summary of his water resources.

REDDIT CLONE

Created Reddit Clone which contains the login, signup & profile page which has been made using react as well as contains backend using express.js and mongodb. ([Try it here](#))

ROCK PAPER SCISSOR BEAT THE DFA

This program is designed such that for a given rock, paper, scissor deterministic finite automaton of state ≤ 30 with unknown start state. It'll produce a DFA of states such that it'll beat every move of opponent with the accuracy of 98%. ([Try it here](#))

XV6 CPU SCHEDULING

Modified the xv6 operating system kernel by adding various user defined system calls as well as cpu scheduling algorithm such as FCFS, PBS and MLFQ. ([Try it here](#))

LINUX TERMINAL

Built the Linux Terminal in C from scratch using kernel system calls only and implemented all the functionality such as all primitive commands as well as foreground & background processes. Also implemented the commands to get process info, input/output redirection, killing process etc. ([Try it here](#))

CERTIFICATION

- Completed a certification course on "Artificial Intelligence" by Teachnook in association with IIT Bhubaneshwar.
- Completed a Short-Term Course on "Advanced Techniques for Traffic Data Analysis, Visualization and State Estimation for Indian Cities" by IIT BHU.